



Joint Modular Intermodal Container (JMIC)

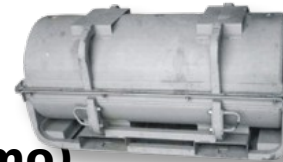
**Mr. Nick
Linkowitz
HQMC/LPV
7 July 2004**





Why Change Packaging?

- **Throughput Requirements Cannot be Met with Break Bulk Operations**
- **Too Many Different Boxes**
- **Inefficient for Retrograde**
- **Boxes Are Segregated by Contents (Ammo)**



Customized Shapes



Packaging/Banding Waste



Improvements in the Logistics Pipeline Must Start with Packaging





KEARSARGE

GRAND OPENING



It can be done Better....



STF's in Use



Today = Legacy

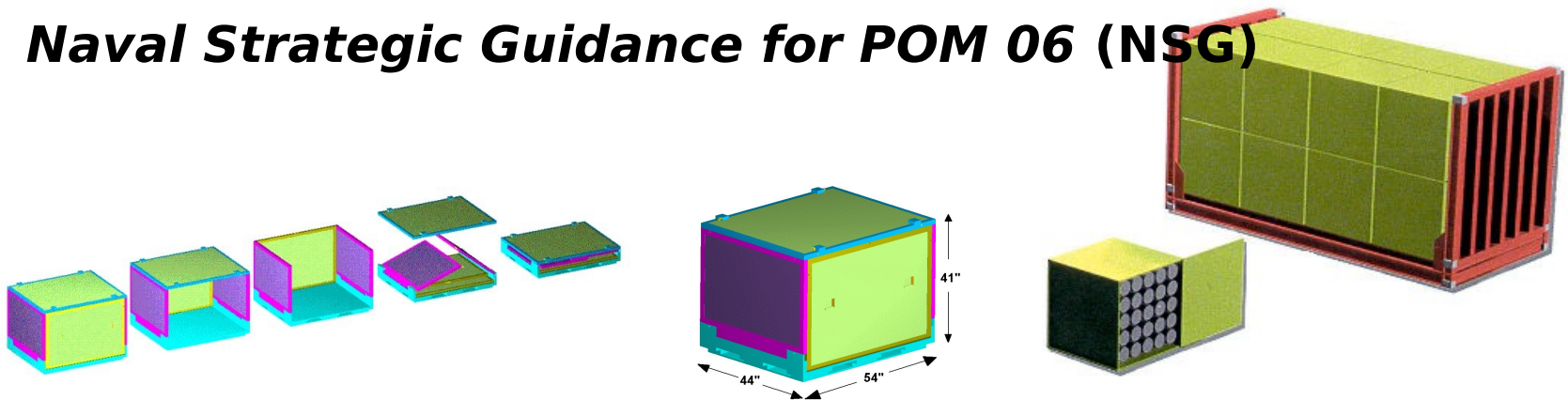
Field Logistics System (FLS)

- Initiated studies in 1973 – Fielding begun in POM 80-84
- Emphasized dimensional standardization through intermodal transport
- Integrated System across Containers, Shelters, Motor Transport, & MHE by introducing:
 - PALCONs, QUADCONs, SIXCONs, LACHs, 5-Ton Trucks, LVS, Shelters, etc.
- Supported all MAF 60-day requirements from surf transfer line to destinations in AOA.
- Still fielding **today**...

Common Intermodal Packaging

Advanced intermodal modular packaging techniques will improve handling and reduce retrograde, waste, and storage requirements.

- ***Naval Operating Concept for Joint Operations (NOC)***
- ***Naval Transformation Roadmap (NTR)***
- ***Sea-Basing CONOPS (N75 - Draft)***
- ***Naval Strategic Guidance for POM 06 (NSG)***



What be a JMIC....?

- Offer **all** the Services a container that will move through their logistic nodes, compatible with commercial industry, and be adaptable to legacy & future equipment & processes (e.g., 463L & CROP).
- Enables the Navy to move from Break-Bulk & reduce manpower afloat.
- Part of NLI's "*Common Naval Packaging*" Issue (HQMC/LPV & OPNAV/N41)
- Being reviewed also by the Navy Packaging Board and the Joint Munitions & Ordnance Packaging IPT.
- Prototypes to be developed late FY04.

USMC JMIC Focus....?

- Focus is inside TEUs – Flatracks by Exception
- Ties into Naval Distribution
 - Current Legacy Ships & Future (MPS-F)
 - Strike-Up/Strike-Down (SUSD)
- Must be of Composite Materiel, Collapsible, Man-Handable (<300Lbs.)
- Incorporate Blast Resistant Packaging / Coating
- Sized for internal aircraft movement from the Seabase ashore
- Not a singular answer, but focused on STOM support
- ONR to fund further S&T in FY06

Primary Sustainment Packaging for Dry Cargo

Air Packaging



or

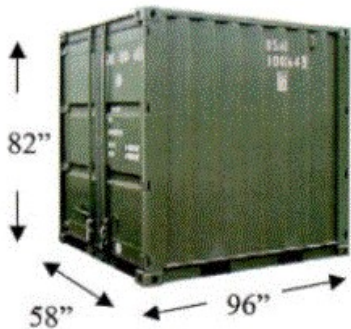


Reusable Bulk Containers (RBC)

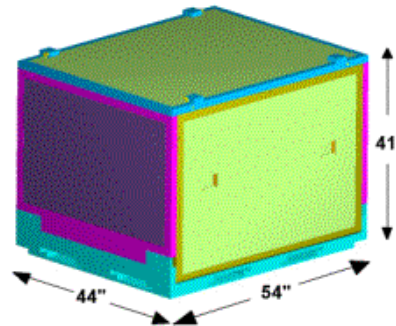
Surface Shipment Packaging



20' ISO Container



QuadCon

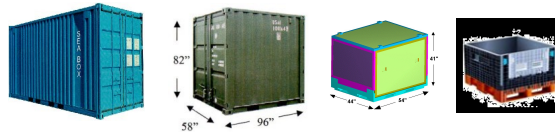


**Joint Modular
Intermodal Container
(JMIC)**

Packaging Comparison

Large

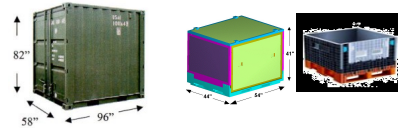
MPF(F)



Resident Transfer
Capabilities

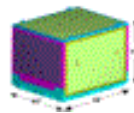
Skin-Skin, Heavy Unrep, Vertrep, Air Connect

CVN
L-Class CLF



Heavy Unrep, Vertrep, Air Connect

USN
Surface



Unrep, Vertrep

Small

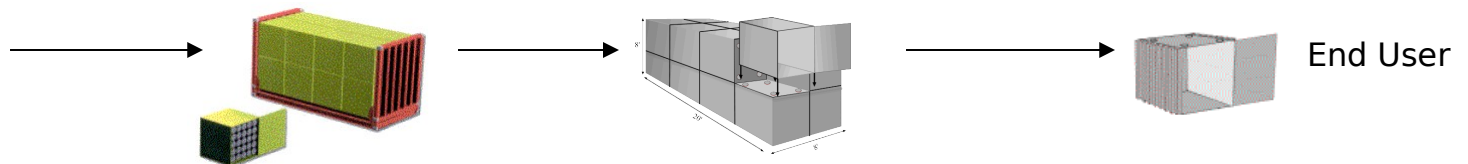
SSN



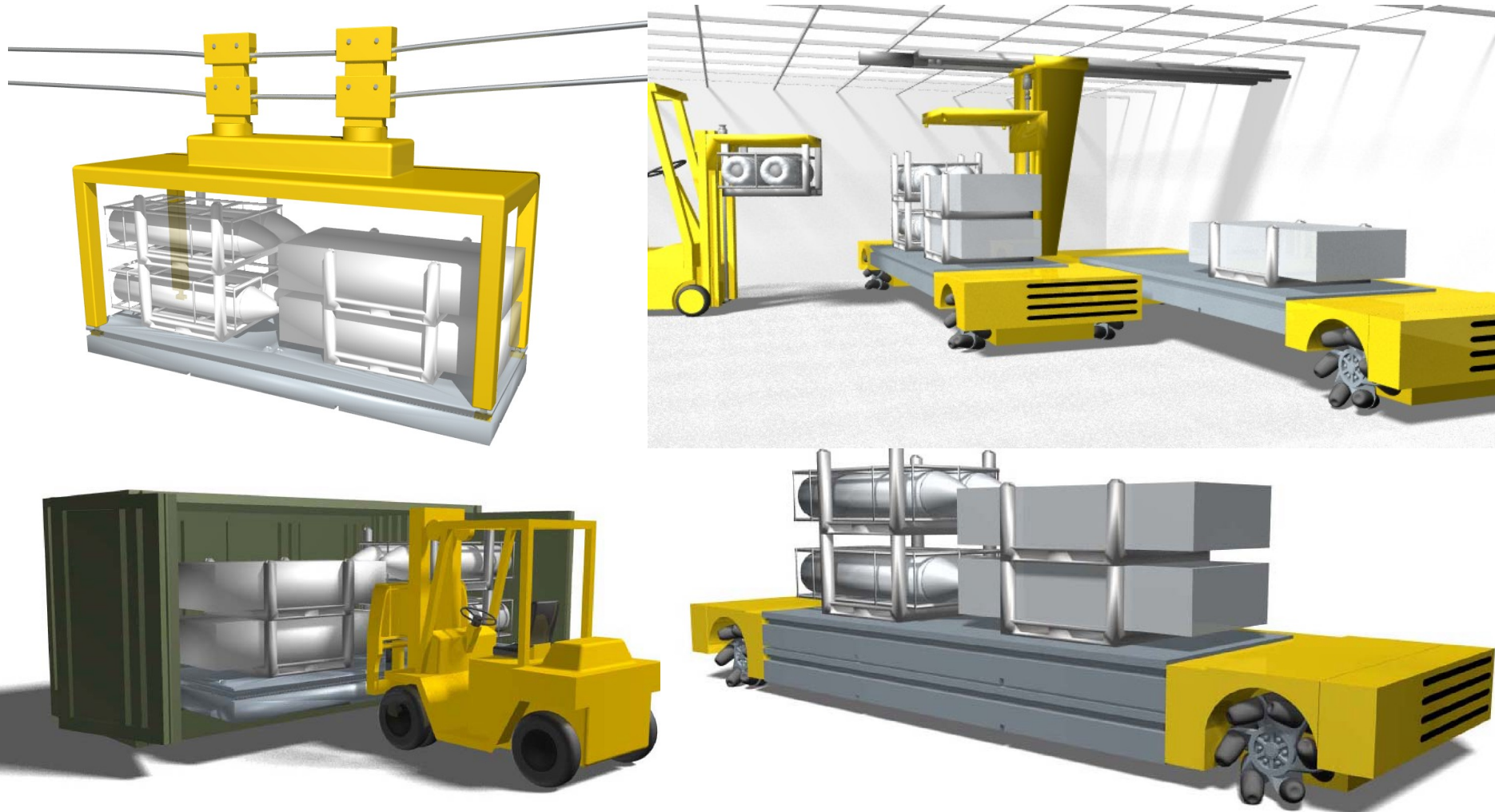
Limited

Standardizing the packaging through the transportation system

Supplier



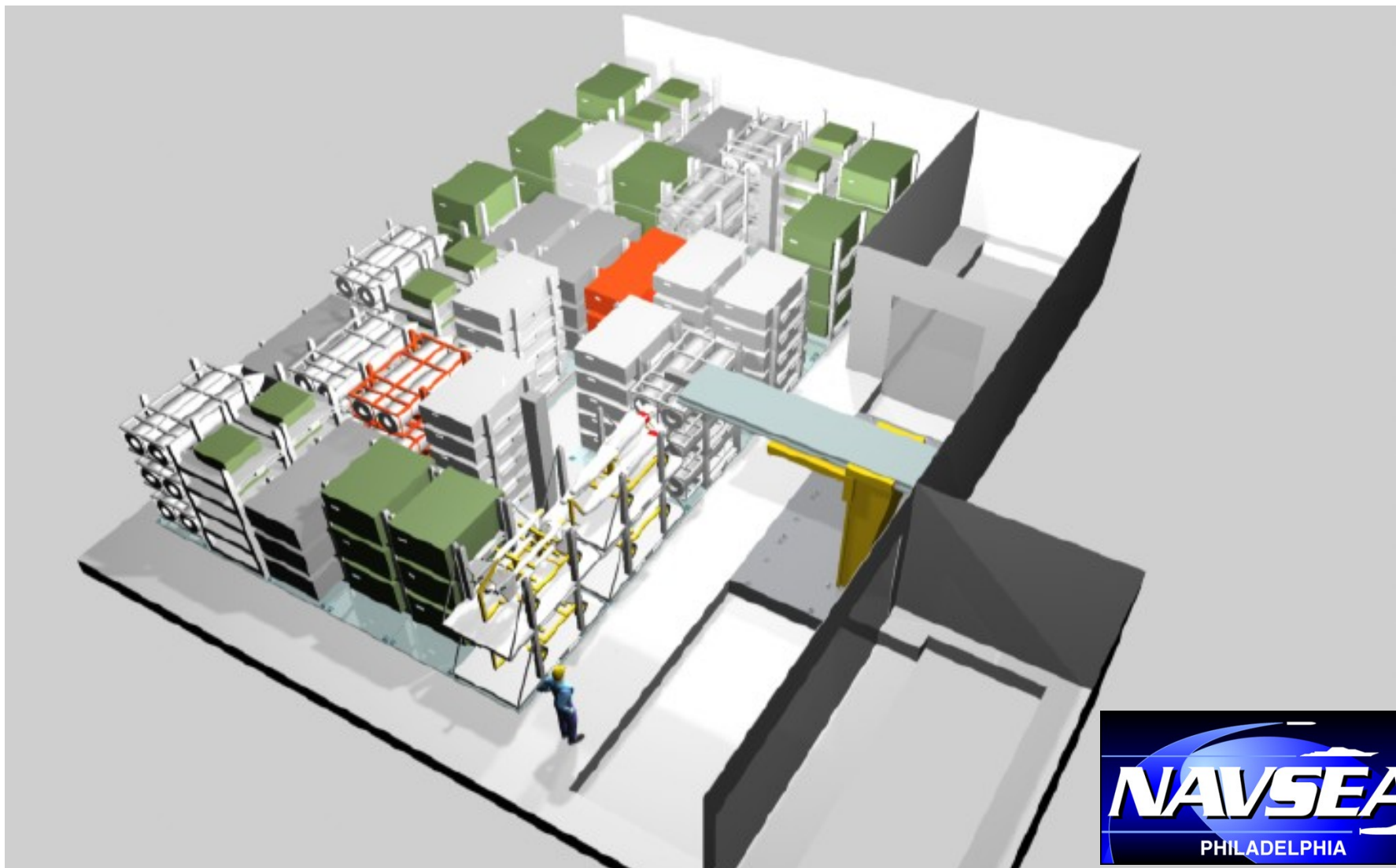
UNIVERSAL LOADING TRAY & STANDARD PAYLOAD INTERFACE



“Distribution is the keystone of Seabased Logistics”

Seabased Logistics

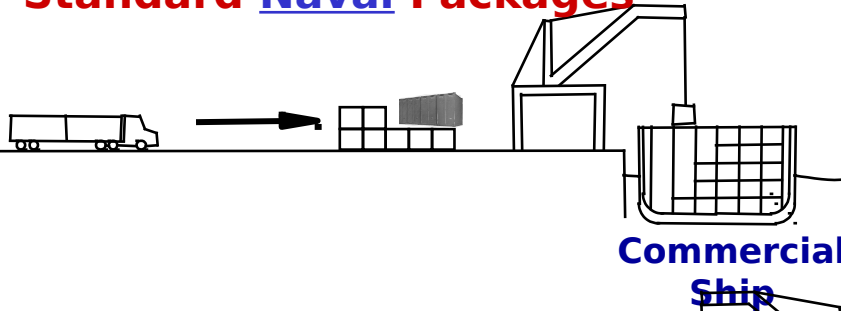
NAVSTORS MAGAZINE FULL LOAD



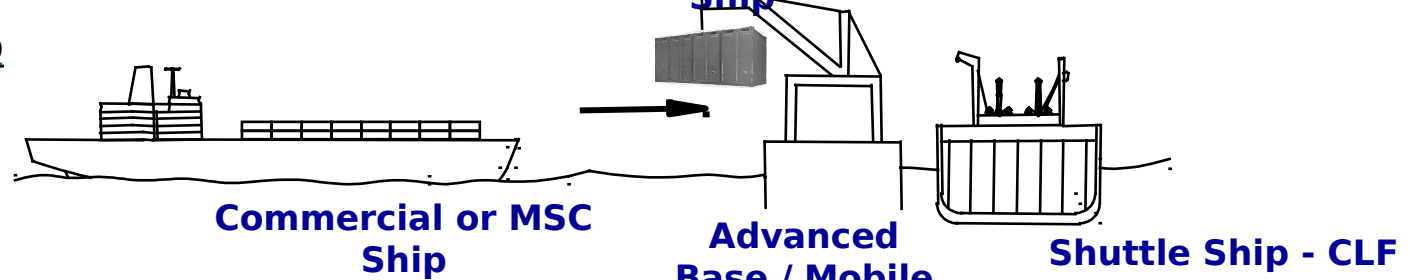
Containers or Standard Naval Packages

**Future Naval
Distribution
Supporting an
Intermodal Naval
Expeditionary Force**

Depot/Factor
y

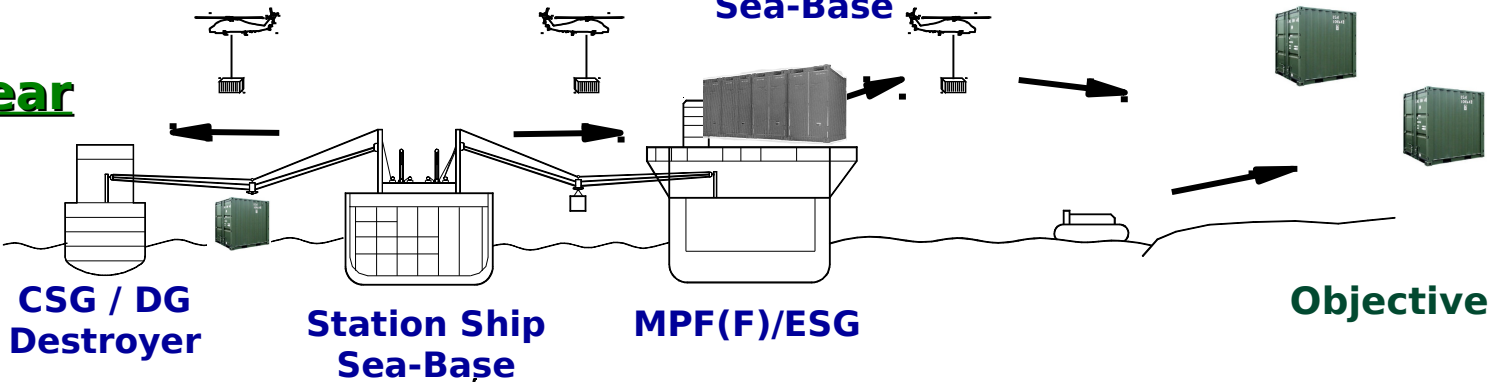


CONUS to Theater



Resupply/Rear m

(UNREP)



Constant Regeneration

